



US009636423B2

(12) **United States Patent**
Hilderbrand et al.

(10) **Patent No.:** US 9,636,423 B2
(b4) **Date of Patent:** May 2, 2017

(54) **OPTICAL SENSOR CONJUGATES FOR DETECTING REACTIVE OXYGEN AND/OR REACTIVE NITROGEN SPECIES IN VIVO**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 1021 days.

(21) Appl. No.: **13/700,255**

(22) PCT Filed: **Jun. 2, 2011**

(86) PCT No.: **PCT/US2011/038903**

§ 371 (c)(1),
(2), (4) Date: **Feb. 21, 2013**

(87) PCT Pub. No.: **WO2011/153331**

PCT Pub. Date: **Dec. 8, 2011**

(65) **Prior Publication Data**

US 2013/0149251 A1 Jun. 13, 2013

Related U.S. Application Data

(60) Provisional application No. 61/350,772, filed on Jun. 2, 2010.

(51) **Int. Cl.**
A61K 49/00 (2006.01)

(52) **U.S. Cl.**
CPC **A61K 49/003** (2013.01); **A61K 49/0028** (2013.01); **A61K 49/0054** (2013.01); **A61K 49/0093** (2013.01)

(58) **Field of Classification Search**

CPC A61K 49/003; A61K 49/0028; A61K 49/0093; A61K 49/0054

See application file for complete search history.

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(57) **ABSTRACT**

The present invention provides methods and compositions based on optical sensor conjugates that are useful for detecting reactive oxygen, reactive nitrogen, or both species that are a direct result of inflammation caused by tissue damage.